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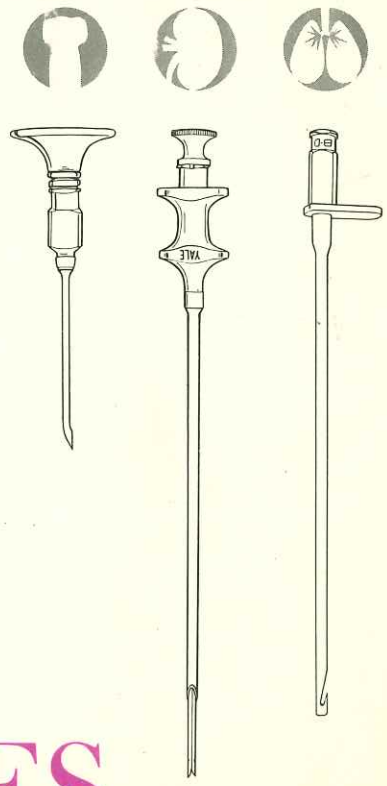

Trephine Needle
Page 1

BIOPSY NEEDLES

& INSTRUMENTS FOR ADVANCED TECHNIQUES

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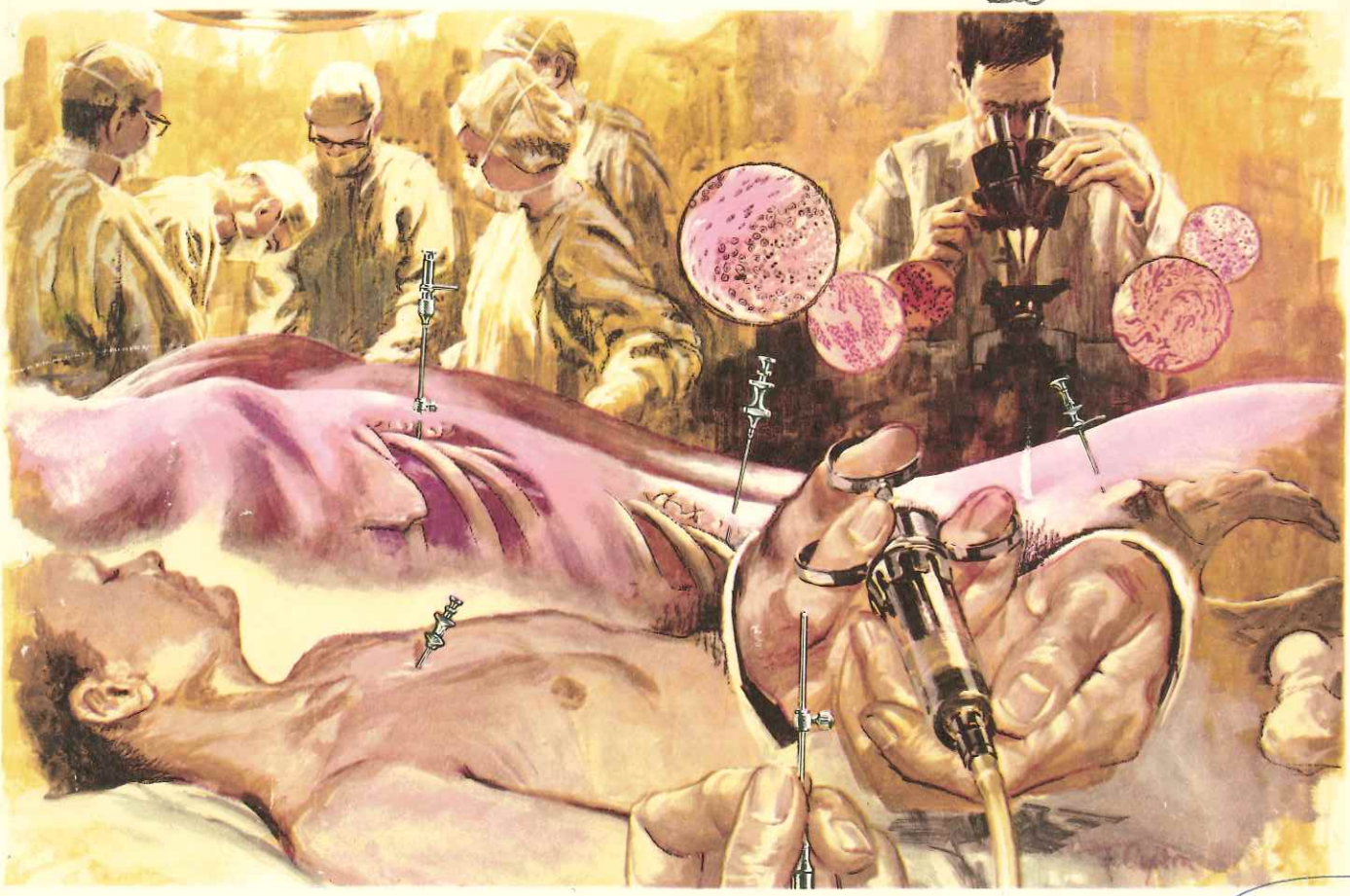

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BIOPSY NEEDLES & INSTRUMENTS FOR ADVANCED TECHNIQUES

Histologic study of body tissue and other materials has been one of the basic preliminaries to the diagnosis of many diseases since a French dermatologist named Besnier called a tissue specimen a "biopsie" in 1879.

Today, collection of a percutaneous needle biopsy is increasingly utilized as an important diagnostic procedure. Even in the most skilled hands, the ability of the equipment used to provide an adequate specimen is of paramount importance, for "a laboratory test is no better than the specimen, and the specimen no better than the manner in which it was collected."

At B-D we have long worked hand-in-hand with many physicians and surgeons to develop variations in standard biopsy needles and other instruments to meet their specific needs. Our goal has always been to supply the safest instruments possible, capable of producing the most satisfactory specimens. In this brochure we have assembled our present line of biopsy equipment — instruments for use in bone marrow, liver, kidney, pleura, synovia and other soft tissue.

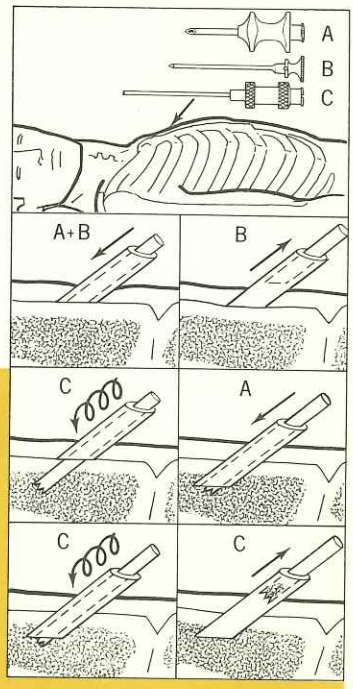
BONE MARROW BIOPSY ASPIRATION AND TRANSFUSION

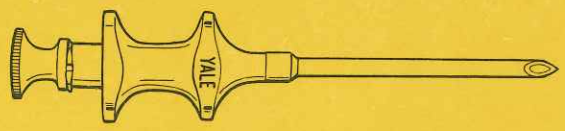
LIVER, KIDNEY AND SOFT TISSUE BIOPSY

PLEURAL BIOPSY

BONE MARROW BIOPSY ASPIRATION AND TRANSFUSION

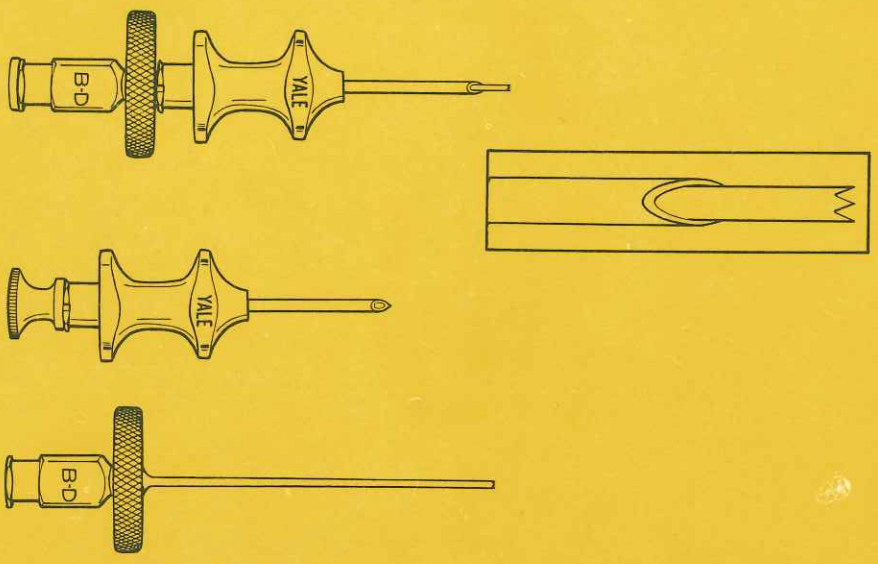
To meet your varied preferences for specimens of the sternum, iliac crest, vertebrae, etc., a selection of gauges and points are offered for marrow aspiration, trephine techniques, and Silverman-type split cannula techniques.





ROSENTHAL NEEDLE for bone marrow biopsy and transfusion; large spool type Luer-Lok hub, sharp-pointed cannula and fitted stylet with matched beveled point.

Catalog No. 1341 18G x 1″
1346 16G x 1-5/16″



STERNAL BONE MARROW INFUSION NEEDLE Trephine Type, Adult
A short sternal puncture needle 15G 3/4″ has fitted stylet. The inner trephine cannula has round, knurled gripping handle and protrudes 1/4″ beyond puncture needle.

Catalog No. 1471 15G x 3/4″, inner needle 18G x 1 7/8″

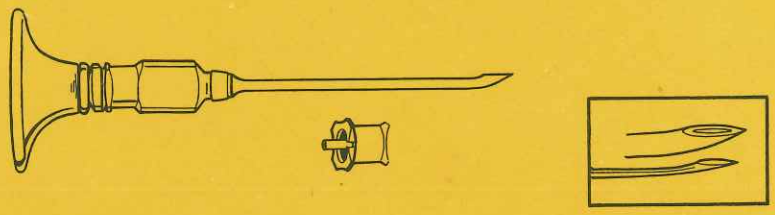
STERNAL BONE MARROW INFUSION NEEDLE Trephine Type, Pediatric
Same as 1471 illustrated above, except trephine has lighter gripping handle for pediatric use.

Catalog No. 1480 15G x 3/4″, inner needle 18G x 1 7/8″

BONE MARROW BIOPSY, ASPIRATION AND TRANSFUSION

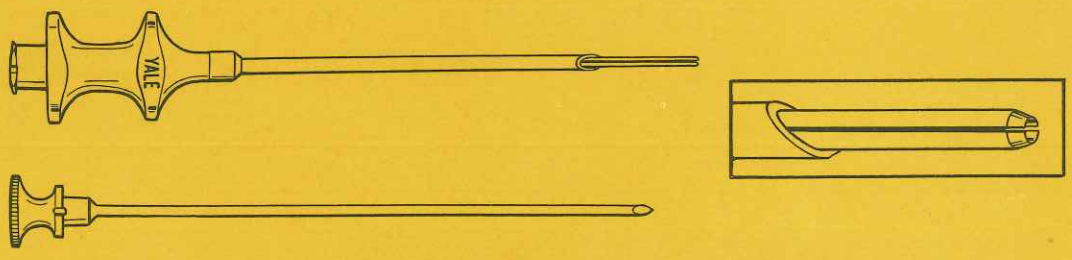
LARGE SILVERMAN TYPE NEEDLE for biopsy of the iliac crest; 13G inner split cannula extends ½" beyond the beveled point of 10G outer cannula.

Catalog No. 1420 10G x 3", 13G inner split cannula



BIERMAN NEEDLE for multiple bone aspirations from the posterior iliac spinous area; 16G heavy wall, Huber pointed cannula extends through Luer-Lok hub for security during introduction. Snug fitting inner stylet has rounded concave handle 1" in diameter.

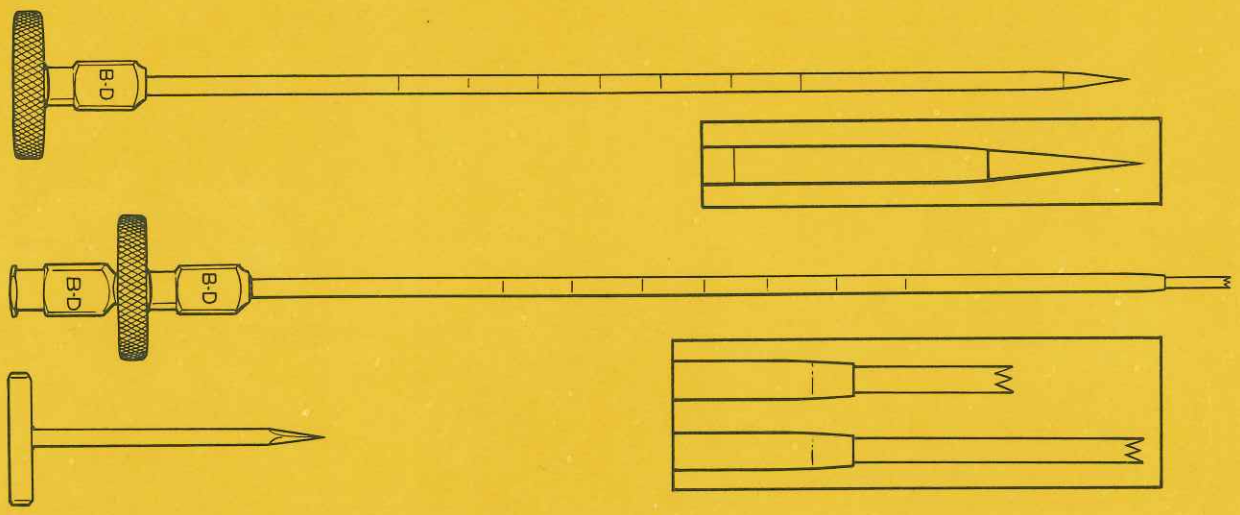
Catalog No. 1406 16G x 1½" heavy wall



CONRAD-CROSBY NEEDLE for biopsy of the iliac crest; modified Silverman needle with 2" short beveled outer cannula with beveled point and fitted stylet. Blunt tapered inner split cannula protrudes ½" beyond outer cannula.

Catalog No. 1546 14G x 2", 17G split inner cannula

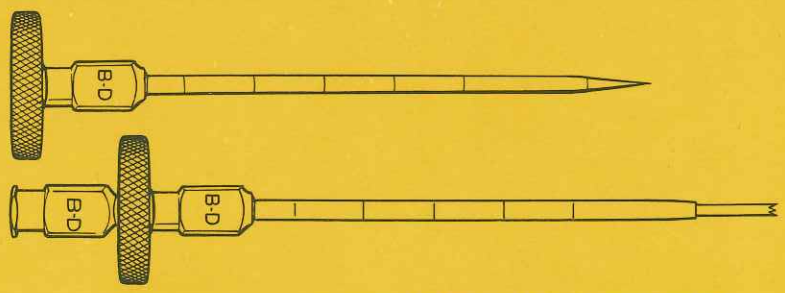
BONE MARROW BIOPSY, ASPIRATION AND TRANSFUSION



ACKERMANN VERTEBRAL BONE MARROW BIOPSY INSTRUMENT
for detection of metastases in the vertabrae. Also used for biopsies of soft tissue; facilitates multiple biopsies with one procedure.

- ☐ Perforator
- ☐ Guide 12G x 14cm graduated to 10cm with a 1cm tapered stylet for introduction.
- ☐ Short Trephine 14G x 16.5cm; protrudes approximately 1cm beyond distal end of guide.
- ☐ Long Trephine 14G x 18cm; protrudes approximately 2.5cm beyond distal end of guide.

Catalog No. 1468



ACKERMANN STERNUM AND ILIAC CREST BIOPSY INSTRUMENT
a shorter version of the 1468.

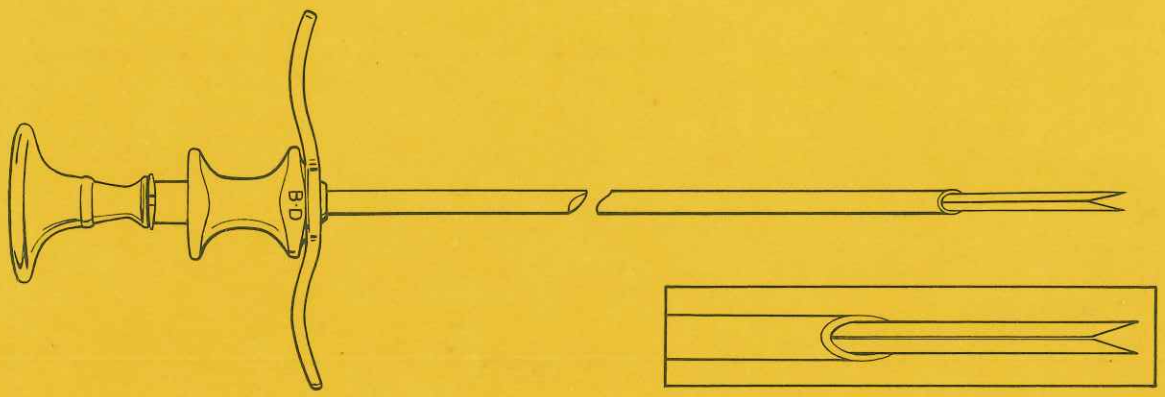
- ☐ Perforator
- ☐ Guide 12G x 6.5cm graduated to 6cm with a 1cm tapered stylet for introduction.
- ☐ Short Trephine 14G x 9cm; protrudes 1cm beyond distal end of guide.
- ☐ Long Trephine 14G x 10.5cm; protrudes approximately 2.5cm beyond distal end of guide.

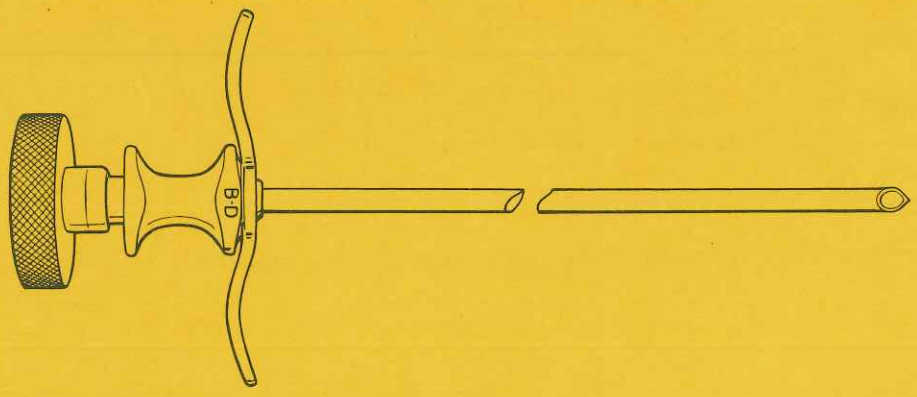
Catalog No. 1458

BONE MARROW BIOPSY, ASPIRATION AND TRANSFUSION

OSGOOD NEEDLE for bone marrow biopsy and transfusion; heavy, knurled Luer-Lok hub, sharp-pointed cannula and fitted stylet with matched beveled point.

Catalog No. 1347 19G x ½″
1348 18G x 1″
1349 16G x 1-5/16″

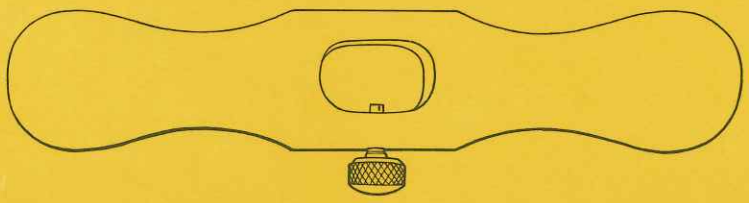




WESTERMAN-JENSEN NEEDLE for biopsy of the iliac crest; 10G x 4¼″ short beveled outer cannula has spool type hub and finger grips; fitted stylet has lock-on handle. Inner split stylet (Silverman type) protrudes ½″ beyond outer cannula.

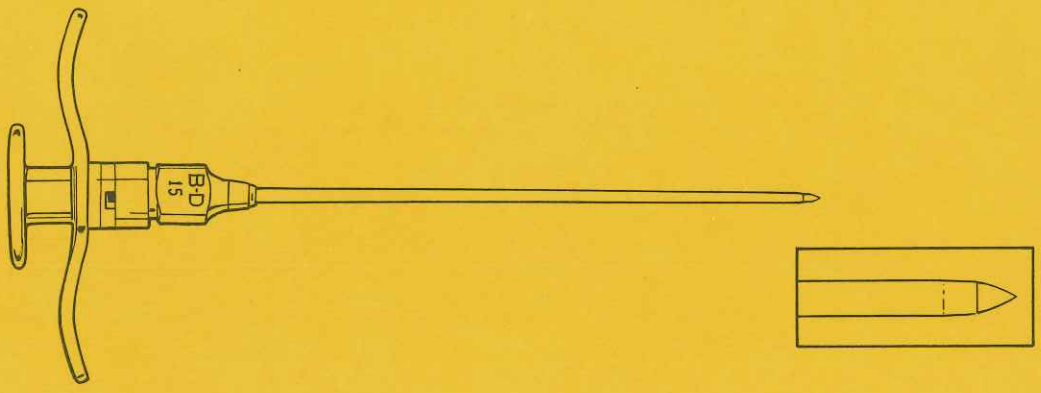
Catalog No. 1573 10G x 4¼″, 13G split inner cannula

BONE MARROW BIOPSY, ASPIRATION AND TRANSFUSION



GRIPPING HANDLE for use with 1573 Westerman-Jensen needle or 1420 Large Silverman Type Needle — Optional.

Catalog No. 1459



WOLF ANTRUM TROCAR used in irrigation of antrum; restricts passage of splinters. Outer 15G cannula has Luer-Lok hub and is blunt and tapered therefore minimizing trauma to bone construction. Sharp pencil-point stylet has finger grips and male Luer-Lok for secure fastening to hub of outer cannula.

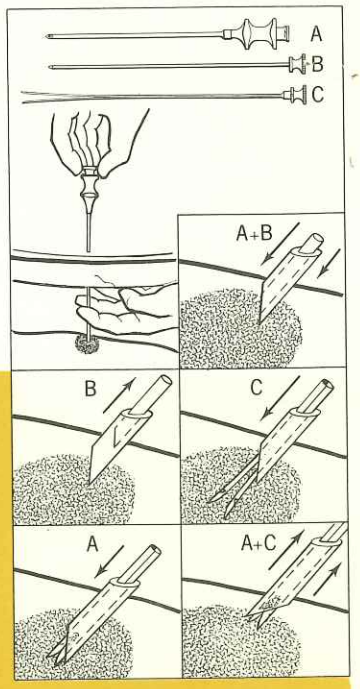
Catalog No. 1350 15G x 3″

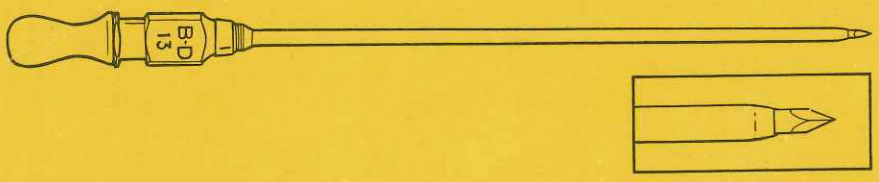
ADJUSTABLE STOP for needles 16G or smaller.

Catalog No. 3129

LIVER, KIDNEY AND SOFT TISSUE BIOPSY

A B-D modified Silverman-type needle with punched-out tabs is presented, along with other needle design modifications and innovations to obtain satisfactory soft tissue specimens with minimal trauma.



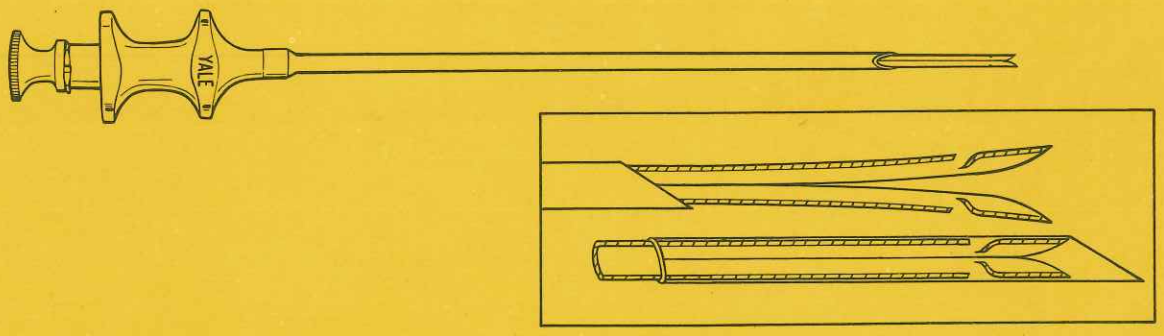


ASPIRATING TROCAR NEEDLE has Luer-Lok hub and blunt, tapered distal end; fitted stylet has special handle and trocar point.

Catalog No. 1283 13G x 3¼″

BARKER NEEDLE has large spool type hub with Luer-Lok connection; a sharp pointed cannula and a fitted stylet with matched beveled point.

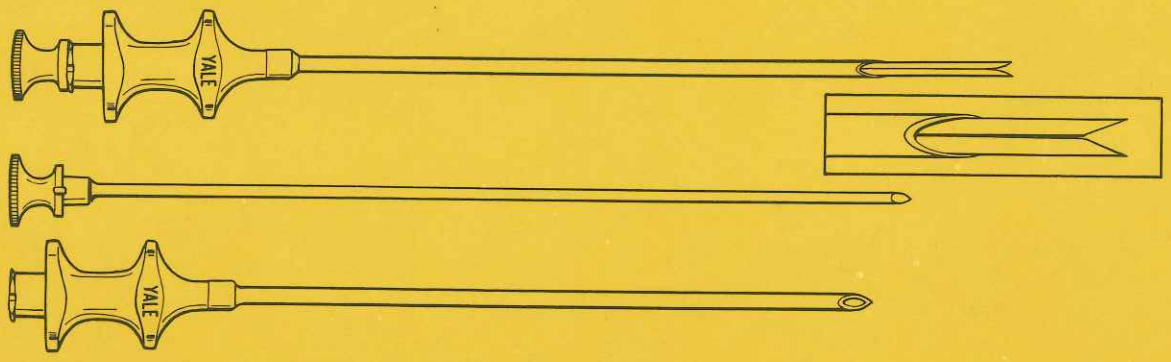
Catalog No. 1131 18G x 3½″



SILVERMAN NEEDLE — B-D MODIFIED FRANKLIN TYPE 14G thin wall beveled outer cannula has fitted stylet. 16G split inner cannula has sharp-edged tabs at distal end for biopsy retention and to sever biopsy rather than tear it. Special assembly stylet is supplied with split inner cannula.

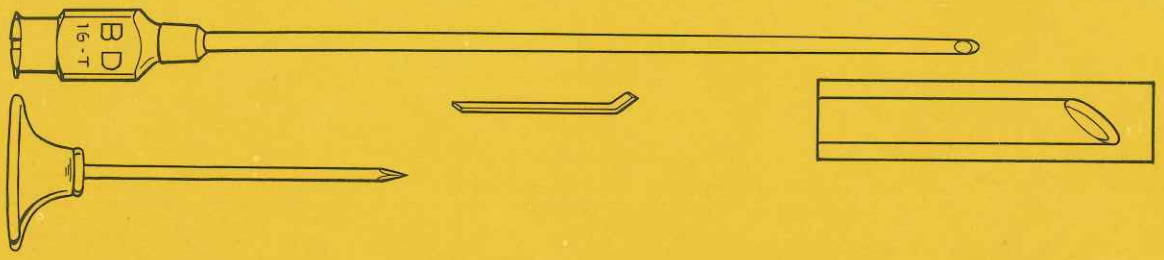
Catalog No. 1548 14G x 3⅜″ (thin wall); 16G split inner cannula
1547 14G x 4½″ (thin wall); 16G split inner cannula

LIVER, KIDNEY AND SOFT TISSUE BIOPSY



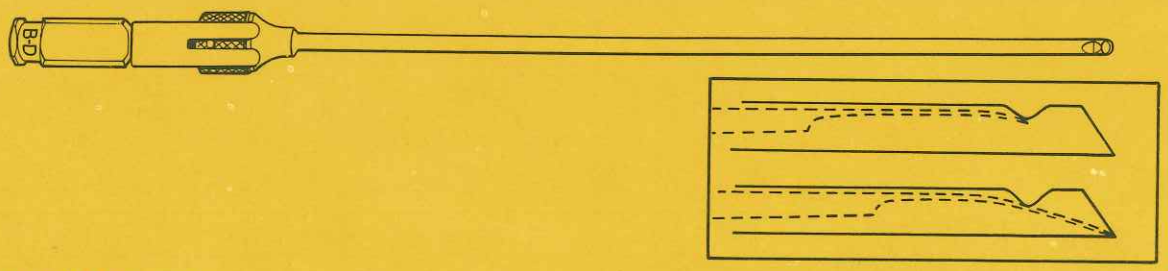
SILVERMAN NEEDLE outer 14G x 3⅜" beveled cannula has fitted stylet. 17G split inner cannula protrudes ½" beyond outer cannula.

Catalog No. 1282 14G x 3⅜", 17G split inner cannula



KLATSKIN NEEDLE modified Menghini type needle with bevel sharpened from the lumen to the outside diameter. Supplied with biopsy retaining pin and trocar for initial puncture.

Catalog No. 1403 16G x 4" (thin wall)



McCLURE NEEDLE outer cannula has knurled Luer-Lok hub; 45° bevel sharpened from the lumen to the outside diameter and a depression at the distal end. Sharp inner stylet is deflected by the depression toward distal end of point to cut biopsy specimen.

Catalog No. 1404 14G x 4" (thin wall)

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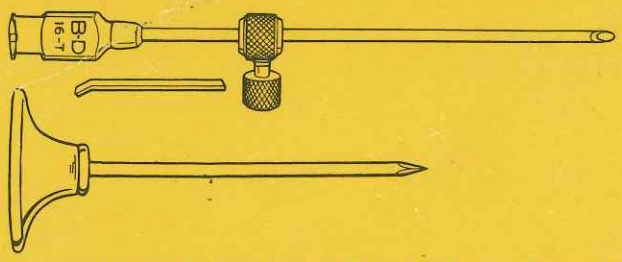
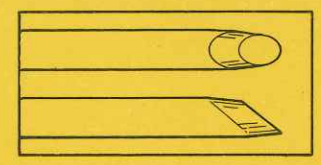
LIVER, KIDNEY AND SOFT TISSUE BIOPSY



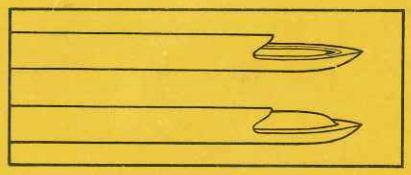


MENGHINI TECHNIQUE ASPIRATING NEEDLE Thin wall needle with 45°-50° bevel point sharpened around edge; biopsy retaining pin prevents biopsy from going up entire length of cannula or extruding into syringe. Used with suction syringe to aspirate biopsy of liver or kidney. Trocar supplied for initial skin puncture.

Catalog No.	**1488**	**19G x 2¾" (thin wall)**	**Catalog No.**	**1492**	**15G x 2¾" (thin wall)**
	1489	**18G x 2¾" (thin wall)**		**1483**	**18G x 4¾" (thin wall)**
	1490	**17G x 2¾" (thin wall)**		**1484**	**17G x 4¾" (thin wall)**
	1491	**16G x 2¾" (thin wall)**		**1485**	**16G x 4¾" (thin wall)**

BIOPSY STOP available for all sizes of Menghini Technique Aspiration needles. One (1) dozen minimum order — specify size.

Catalog No.	**1594**	**19G**	**Catalog No.**	**1591**	**16G**
	1593	**18G**		**1590**	**15G**
	1592	**17G**			



DE BAKEY NEEDLE 14G (thin wall) outer cannula with closely fitted special 15G ½" inner cannula both with sharp bullet shaped points of which 180° portion of circumferences are ground to the midline. The inner cannula has a hub which may be rotated 180° bringing a guillotine-like action to cut off biopsy. Supplied with obturator for insertion into the inner needle to extrude the biopsied specimen.

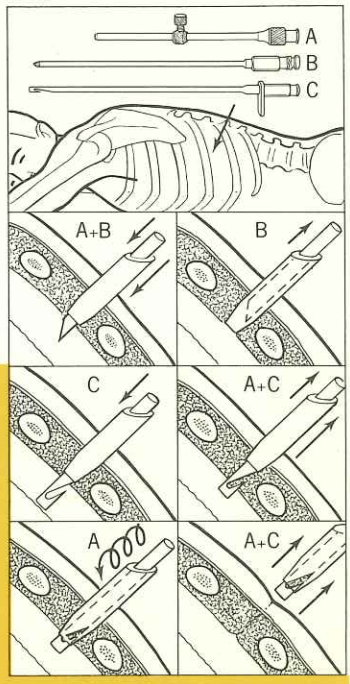
Catalog No. 1402 14G x 4" (thin wall)

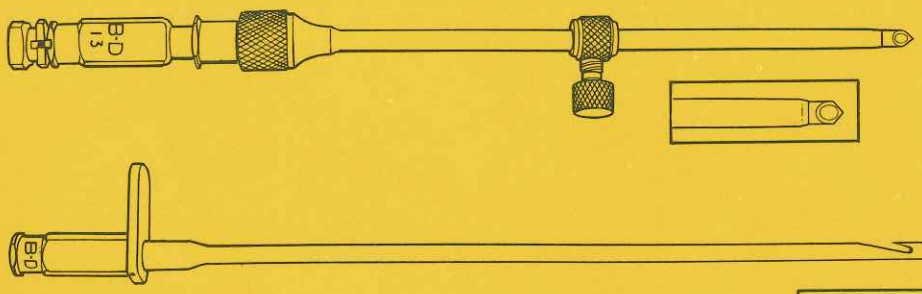
QUINCKE-BABCOCK NEEDLE has Luer-Lok hub, sharp pointed cannula and a fitted stylet with matched beveled point.

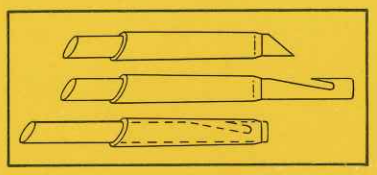
Catalog No. 1143 18G x 3"

PLEURAL BIOPSY

There is impressive testimony as to the increasing value placed on thoracentesis and pleural biopsy as a reliable source of diagnostic information concerning patients with problematic effusions.

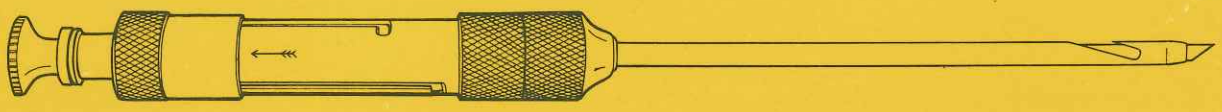


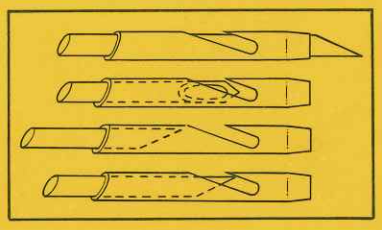




COPE NEEDLE Outer 11G needle has a square cut end tapered to a sharp edge, and a special needle stop for penetration control; plus a 13G inner puncture needle with a short bevel and fitted stylet. The 13G curette (hook-like) needle serves as a very sharp biopsy snare.

Catalog No. 1421 11G x 3″

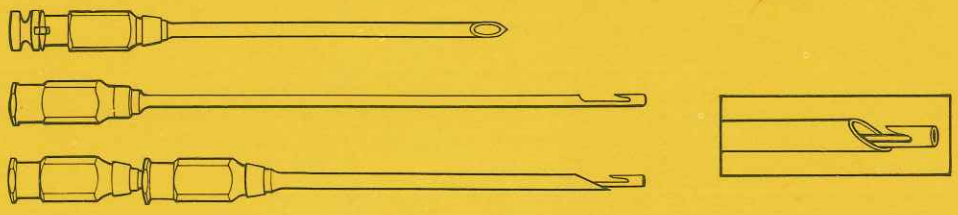




LOWELL NEEDLE a two-part needle consisting of an 11G "sheath" or outer needle, 3″ long and with a sharp, hook-like cutting edge at its distal end fitted closely to a 13G inner needle with short bevel point. The inner needle has a telescoping hub, guided by a bayonet-like cam arrangement that adjusts it for chest penetration, thoracentesis and biopsy. An airtight seal is provided between the inner and outer needles and a female Luer-Lok fitting accepts syringe, stopcock, or drainage attachments.

Catalog No. 1432 11G x 3″

SYNOVIAL BIOPSY



PARKER-PEARSON NEEDLE for synovial biopsy. A 14G 2″ (thin wall with fitted stylet), and a 16G 2½″ inner needle with very sharp curette (hook-like) biopsy snare.

Catalog No. 1433 14G x 2″ (thin wall)

References:

BONE MARROW BIOPSY, ASPIRATION AND TRANSFUSION

ACKERMANN VERTEBRAL BONE MARROW BIOPSY INSTRUMENT**
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Ackermann, Wolfgang, "Application of The Trephine For Bone Biopsy", *Journal of the American Medical Association,* April 6, 1963, Vol. 184, pp 11-17.

ACKERMANN STERNUM AND ILIAC CREST INSTRUMENT
(References same as above)

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(References same as 1573 Westerman-Jensen)

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Wrenn, F., Feder, J. M., "Aspiration Biopsy", *Surgery,* Vol. 11, No. 3, pp 456-459, March 1942.
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PLEURAL BIOPSY

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Cope, C., "New Pleural Biopsy Needle", *Journal of the American Medical Association,* June 28, 1958, Vol. 167.

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SYNOVIAL BIOPSY

PARKER-PEARSON NEEDLE**
Parker, Randall H. and Pearson, Carl M., "A Simplified Synovial Biopsy Needle," *Arthritis and Rheumatism,* Vol. 6, No. 2, April 1963, pp 172-176.

**Technical Data Sheets available on request.

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